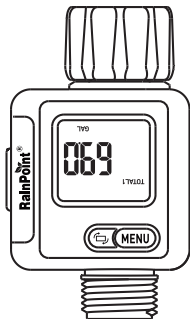


# USER MANUAL

## Wireless Water Flow Meter



**Model No. HCS048B**



**Email:** [service@rainpoint.com](mailto:service@rainpoint.com)



**US Hotline:** +1 833-381-5659  
**DE Hotline:** +49 800-182-0576

**UK Hotline:** +44 20-4628-3036

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## WARM TIPS

### PLEASE READ BEFORE USING



Make sure the water flows in the correct direction and that all connections are tightened securely by hand to prevent leaks.



Install 3 new AAA alkaline batteries correctly, and make sure the battery cover is firmly closed to maintain water resistance.



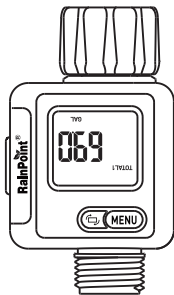
Connect the device to the app to sync the time and access water usage reports, cost settings, calibration, and other smart features.



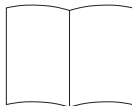
Use with clean cold water only. Remove the device and dry it indoors when not in use for a long period or when temperatures may reach freezing.

# 1. INTRODUCTION

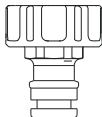
## 1.1 Package Contents



1



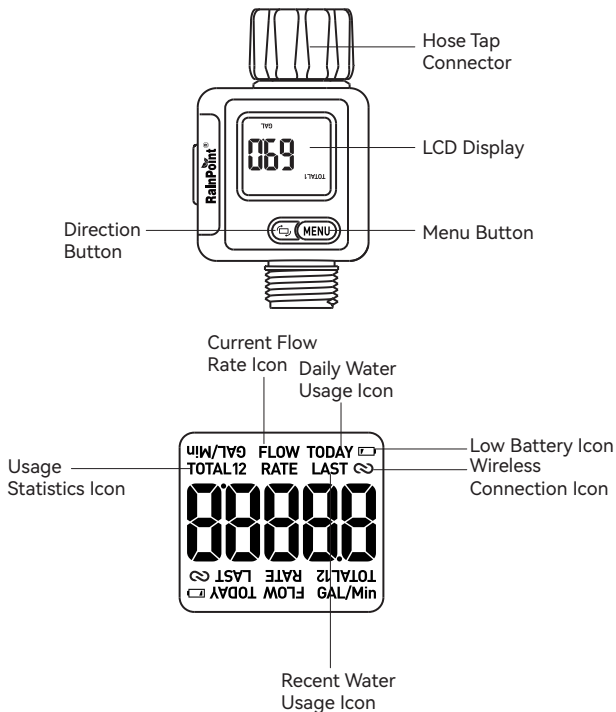
2



3

1. 1 X HCS048B Wireless Water Flow Meter
2. 1 X User Manual
3. 1 × Tap Connector  
(3/4" BSP thread, EU market only)

## 1.2 Product Overview



## 1.3 Specifications

| Parameter                                | Value                                                         |
|------------------------------------------|---------------------------------------------------------------|
| Range Between Phone and Water Flow Meter | Up to 230 ft (70 m)                                           |
| Working Temperature                      | 37–122 °F (3–50 °C)                                           |
| Consumption                              | 0–99999 L (0–26416 Gal)                                       |
| Measurement Tolerance                    | ±5%                                                           |
| Power Supply                             | 3 x AAA 1.5 V alkaline batteries (not included)               |
| Water Inlet                              | 3/4" NH (US) faucet thread, 3/4" or 1" BSP (EU) faucet thread |
| Water Outlet                             | For 3/4" standard garden hose                                 |
| Waterproof Level                         | IPX5                                                          |

## 2. INSTALLATION AND CONNECTION



Setup Video



Customer Support

**Tips:** Scan the QR code or visit the links below to access the setup video and customer support for quick installation.

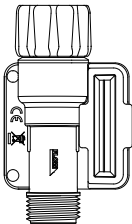
**Setup Video:**

[www.youtube.com/@rainpoint](http://www.youtube.com/@rainpoint)

**Customer Support:**

[www.rainpoint.com/pages/support](http://www.rainpoint.com/pages/support)

### 2.1 Battery Installation



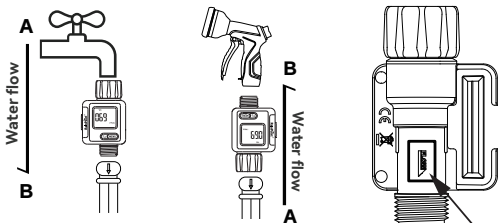
- Remove the battery compartment cover on the back of the water flow meter.
- Insert three new AAA 1.5 V alkaline batteries (not included).
- Reinstall the battery compartment cover and press firmly to ensure it is fully sealed.

#### Caution:

- Do not attempt to recharge alkaline batteries.
- Do not mix new and used batteries, or combine different battery types.
- Remove the batteries if the water flow meter will not be used for an extended period.
- Replace the batteries when the low-battery icon appears on the display.
- Do not dispose of batteries in fire. Batteries may explode or leak.

## 2.2 Flow Meter Installation

1. Use the water flow meter in the pre-assembled configuration to avoid water leakage.
2. Install the flow meter as shown in the image. Water must flow into the inlet only. Otherwise, the readings will be inaccurate.



3. Be sure to tighten all connectors before use.

### Tips:

- If leakage occurs due to stripped threads or a damaged sealing surface on the faucet, wrap PTFE (Teflon) tape clockwise around the male threads (2–3 turns).
- Reconnect the water flow meter and hand-tighten until watertight.



### Note:

- ⊗ **Hand-tighten only. Do not use tools.**
- ⊗ If freezing temperatures are expected, remove the water flow meter from the faucet and store it indoors to prevent freeze damage.
- ▲ Install the filter correctly and keep it clean to ensure proper water flow.



## 2.3 App Installation and Flow Meter Connection

- 1) In the Google Play Store or the App Store, search for "**RainPoint Home**", or scan the QR code to download and install the app.
- 2) Open the RainPoint Home app and select "**Register**". Follow the on-screen steps to create an account using an email address, or sign in with an existing account.

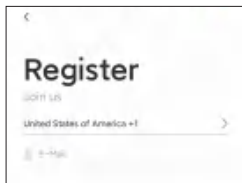


iOS

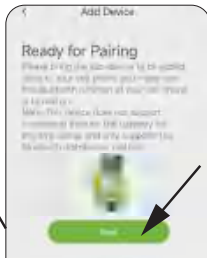
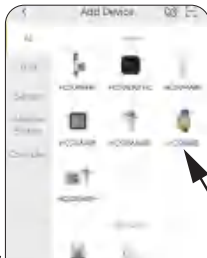
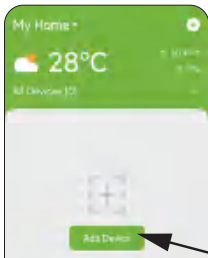


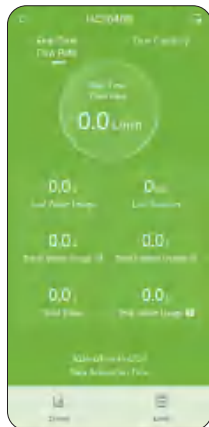
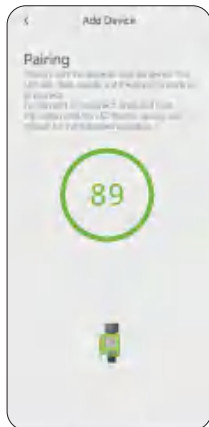
Android

RainPoint Home



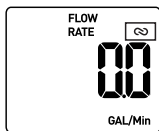
- 3) Connect the flow meter as shown in the diagram below.





### Note:

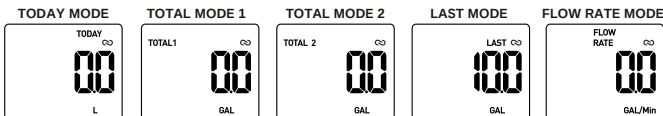
- After power-on, the device remains available for wireless connection for 2 minutes.
- If it is not connected during the initial power-on, press and hold the  button on the FLOW RATE screen.
- When the  icon flashes, tap HCS048B in the app to connect.



## 3. PRODUCT FUNCTIONS

### 3.1 Measurement Modes

The device provides 5 display modes:



Press the **MENU** button to switch the display mode.

1. **FLOW RATE MODE:** Display the real-time water flow in GAL/Min or L/Min.
2. **LAST MODE:** Displays the last recorded water usage.
3. **TOTAL MODE 1/2:** Displays the accumulated total water usage. TOTAL 1 and TOTAL 2 are independent total records. Press and hold the MENU button on either page to clear the current total for that page.

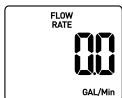
#### Note:

1. In **LAST MODE**, the longest data record interval time is 30 seconds.
2. Data is accumulated when changes in water flow occur within 30 seconds. If there is no change in water volume for more than 30 seconds, the LAST record will reset to 0.
3. When the display data is less than 1000, the decimal place will be displayed; otherwise, when the display data is between 1000-99999L or 1000-26416Gal, no decimal place will be displayed.
4. When the flow direction is changed, the total consumption will be accumulated and will not be cleared for recalculation.

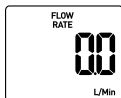
## 3.2 Button Functions

### Unit Switching

Press and hold the **MENU** button to switch the flow rate units(GAL/Min or L/Min), and the unit of water quantity will also be changed to GAL or L simultaneously.



GAL/Min

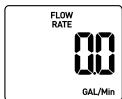


L/Min

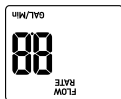
**NOTE:** The switch unit function is only available on the **FLOW RATE** page.

### Screen Flip

On any page, press the  button to flip the screen orientation for easier reading during reverse or inverted installation.



(Default direction)



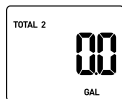
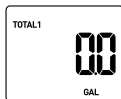
(Changed direction)

### Re-enter Pairing Mode

Press and hold the  button for 5 seconds to re-enter pairing mode. Device and app data will be cleared and synchronized; historical home chart data remains.

### Total Consumption Data Clearing

On the TOTAL 1 or TOTAL 2 page, press and hold the MENU button for 2 seconds to clear the current total record only. The other total page will remain unchanged.



### 3.3 Special Functions

- **Low Battery Warning:** When the low-battery icon  appears on the screen, replace the batteries.
- **Wireless Pairing:** After successful app pairing, the wireless connection icon stays on.

## 4. APP INTRODUCTION

### Flow Meter Home Screen



**1. Settings:**

Used to view and manage basic device information and access advanced options:

- Tank Capacity Alert
- Water Cost Settings
- Water Usage Reset
- Transmission Strength
- Flow Calibration

**2. Tank Capacity:**

Set the tank capacity in the app.

Available setting range: 1–99999 L

Equivalent range in gallons: 1–26,416 gal

After water is used, the remaining capacity decreases accordingly.

**3. Real-Time Flow Rate:**

Displays the current water flow rate in real time.

The page also shows:

- Last Water Usage
- Last Duration
- Total 1 Water Usage
- Total 2 Water Usage
- Total Today
- Total Water Usage

**4. Chart Statistics:**

View water usage statistics by:

- Hour
- Day
- Month

**5. Event:**

The device's online/offline status and water usage records can be viewed.

## 5. TROUBLESHOOTING

| Problem                                                              | Possible Causes                                                          | Solutions                                                                                                                                            |
|----------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Screen does not light up / no display                                | Batteries are installed incorrectly, have poor contact, or are depleted. | Reinstall 3 × AAA batteries correctly. Check polarity and contacts. Replace with new alkaline batteries if needed. Do not mix old and new batteries. |
| TODAY is not displayed, or appears only after page switching         | Time has not been synchronized from the app.                             | Turn on wireless connection and connect the device to the app. After time synchronization, switch pages again to view TODAY.                         |
| TODAY value does not update continuously or changes after connection | The device updates daily data after time synchronization.                | This is normal. Connect the device to the app regularly to keep time synchronized.                                                                   |
| Unit cannot be switched                                              | Unit switching is only available on the FLOW RATE page.                  | Go to the FLOW RATE page. Press and hold the MENU button for 2 seconds to switch units (gal/min or L/min).                                           |

| <b>Problem</b>                                               | <b>Possible Causes</b>                                                     | <b>Solutions</b>                                                                                                           |
|--------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| TOTAL 1 / TOTAL 2 does not update immediately after clearing | Data has not been synchronized with the app yet.                           | On the TOTAL1 or TOTAL 2 page, press and hold the MENU button for 2 seconds. Then connect to the app and refresh the data. |
| Data is cleared after re-pairing                             | Re-pairing resets and synchronizes device data.                            | Avoid re-pairing unless necessary. Save important data in the app before re-pairing, if supported.                         |
| LAST value does not match expected usage                     | If water stops for less than 30 seconds, it is treated as the same record. | Keep the water off for more than 30 seconds before starting the next use.                                                  |

## 6. WARRANTY POLICY

**RainPoint** provides a 1-year warranty against manufacturing defects in materials and workmanship from the date of purchase. During the warranty period, products found to be defective under normal use and service, as determined solely by RainPoint, will be replaced free of charge.

To request warranty service, email your order ID to **service@rainpoint.com**. A response will be provided within 24 hours on working days.

## 7. CUSTOMER SUPPORT

For setup difficulties, search "**RainPoint**" on YouTube to view installation videos. If the required information is not found in this user manual or if further assistance is needed, contact customer support before returning the product to the store. The local customer support team will provide a solution within 24 hours on working days and may arrange a replacement or refund where applicable.

For efficient support, please provide the following information:

- Order number
- LOT NO. of the device
- Brief description of the problem

### Contact information:

**US Hotline:** +1 833-381-5659

**DE Hotline:** +49 800-182-0576

**UK Hotline:** +44 20-4628-3036

**Email:** service@rainpoint.com

## FCC ID: 2AWDBHCS048B

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the device and the receiver.
- Connect the device to an outlet on a different circuit from the one to which the receiver is connected.

If necessary, the user should consult the dealer or a qualified radio/TV technician for additional help. Changes or modifications to this device not expressly approved by the manufacturer may void the user's authority to operate the equipment.

EC REP

NAME: VIAJE ELECTRONIC COMPANY LIMITED

ADDRESS: E588, 13 ADELAIDE ROAD, DUBLIN, D02 P950,  
IRELAND

EMAIL: VIAJEELE@outlook.com

UK REP

NAME: SUJE ELECTRONIC COMPANY LIMITED

ADDRESS: S211 92a Bury Old Road, Manchester, England,  
M45 6TQ

EMAIL: SUJEELECTRONIC@outlook.com

Manufacturer/Hersteller/Fabricant/Produttore/Fabricante:

FUJIAN BALDR TECHNOLOGY CO., LTD

ADDRESS/ADRESSE/ADRESSE/INDIRIZZO/DIRECCIÓN:

No.118 Yongnan Road, Chengmen Town, Cangshan District, Fuzhou,  
350007 Fujian, P.R. China

EMAIL: service@rainpoint.com



Points de collecte sur [www.quefairede mesdechets.fr](http://www.quefairede mesdechets.fr)  
Privilégiez la réparation ou le don de votre appareil !



# Need Help?

Scan the QR code to  
get fast support



or

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